

Supplementary Materials for:

Avian influenza viruses that cause highly virulent infections in humans
exhibit distinct replicative properties in contrast to human H1N1 viruses

by

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Supplementary Figure S1 (4 pages)

The following 4 pages contain 2-dimensional histograms (contour plots) representing the posterior probability density functions for each of the 21 possible pairs of parameters, given the 7 parameters of the mathematical model (Eqn. 1), for each of the 4 influenza A viruses studied in this work (sH1N1, pH1N1, H5N1, H7N9).

The parameter short-hands used in the following 4 figure panels are as follows:

$$\beta = \mathbf{b}$$

$$p_{\text{RNA}} = \mathbf{pr}$$

$$p_{\text{TCID}_{50}, \text{MC}} = \mathbf{pinfmc}$$

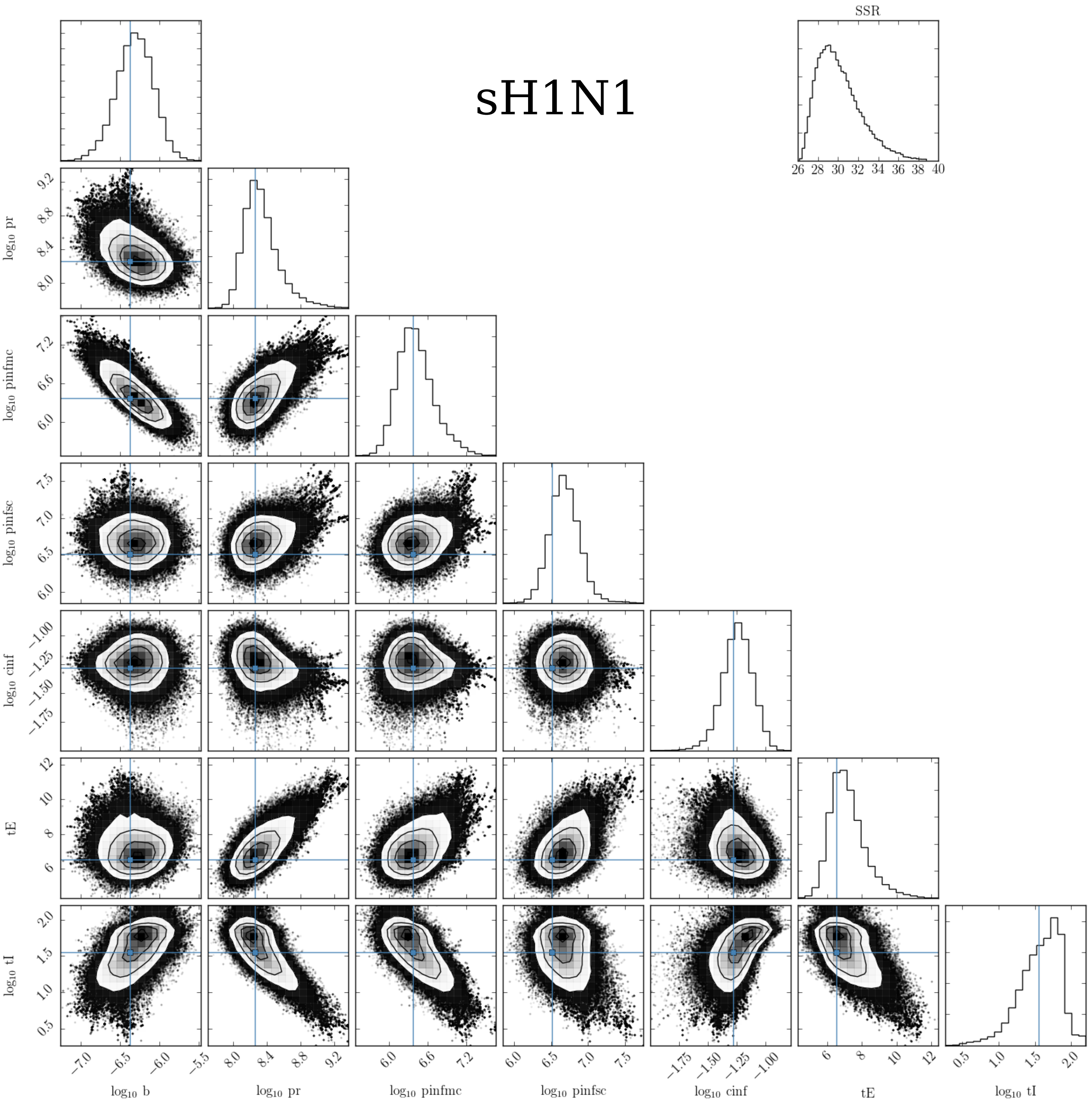
$$p_{\text{TCID}_{50}, \text{SC}} = \mathbf{pinfsc}$$

$$c_{\text{TCID}_{50}} = \mathbf{cinf}$$

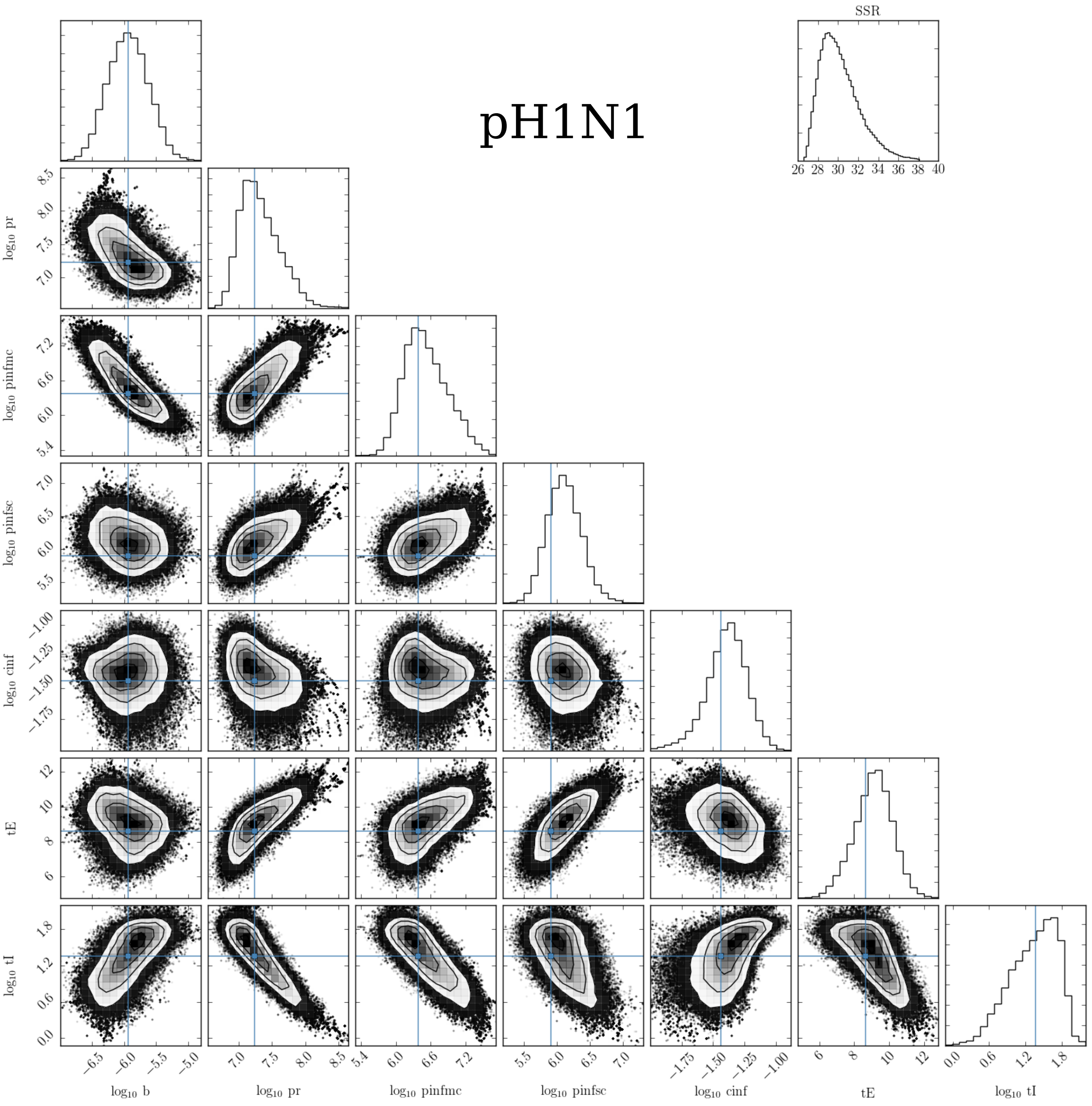
$$\tau_E = \mathbf{tE}$$

$$\tau_I = \mathbf{tI}$$

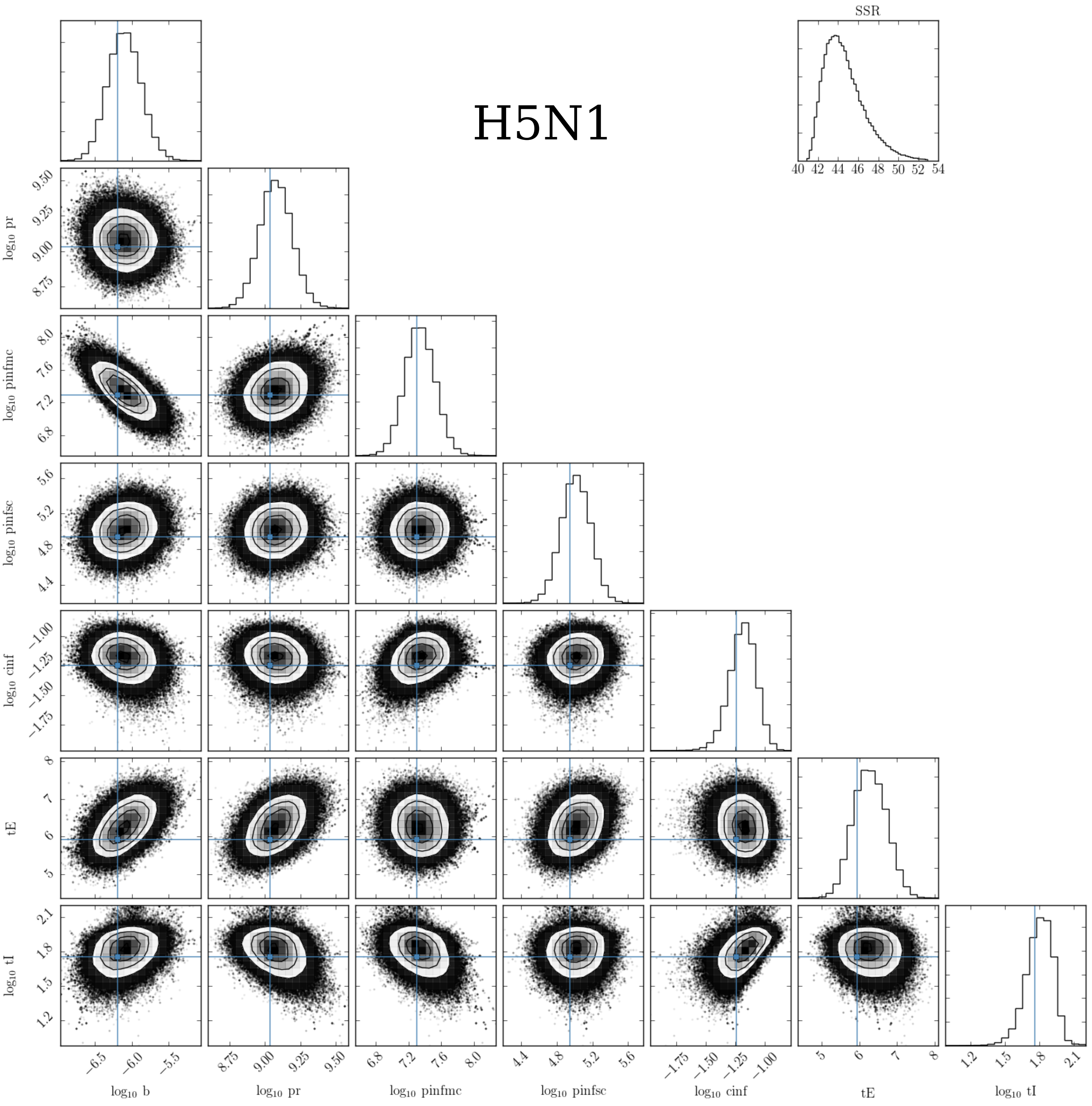
sH1N1



pH1N1



H5N1



H7N9

